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CAMBRIDGE, MASS.

OF THE

F O S S I L S

OF THE

UPPER SILURIAN FORMATION

OF

GOTLAND.

②
Lindström, Gustaf.

LIST
OF THE
FOSSILS
OF THE
UPPER SILURIAN FORMATION
OF
GOTLAND.

C. V. 3m
STOCKHOLM, 1885.
KONGL. BOKTRYCKERIET.
P. A. NORSTEDT & SÖNER.

ARACHNOIDEA.

Scorpionida.

Palæophonus nuncius Thorell & Lindström.

Some detached segments of the tail and of the abdomen belonging to several individuals have been found since the first, nearly complete specimen was discovered.

CRUSTACEA.

Trilobitæ.

The new species are described in a shortly forthcoming paper.

1. *Phacops vulgaris* Salter.
2. *imbricatula* Angelin.
3. *obtusa* Lm.
4. *Downingiæ* Murchison.
5. *quadrilineata* Ang.
6. *Musheni* Salter.
7. *Chirurus speciosus* Hisinger.
8. *conformis* Ang.
9. *bimucronatus* Murch.
10. *Gotlandicus* Lm.
11. *Sphærexochus scabridus* Ang.
12. *latifrons* Ang.
13. *laciniatus* Lm.
14. *Beyrichi* Lm.
15. *Youngia globiceps* Lm.
16. *inermis* Lm.
17. *Deiphon Forbesi* Barrande.
18. *Enerinurus punctatus* Wahlenberg.
19. *lævis* Ang.
20. *obtusus* Ang.
21. *Acidaspis crenata* Emmrich.
22. *Barrandei* Ang.
23. *Marklini* Ang.
24. *pectinata* Ang.
25. (*Trapelocera*) *bicuspis* Ang.
26. *Lichas concinnus* Ang.
27. *latifrons* Ang.
28. *palifer* Lm.
29. *araneus* Lm.
30. *ornatus* Lm.
31. *marginatus* Lm.

32. *Lichas Wisbyensis* Lm.
33. *plicatus* Lm.
34. *triquetrus* Lm.
35. *rotundifrons* Ang.
36. *Gotlandicus* Ang.
37. *Trochurus Salteri* Fletcher.
38. *Bucklandi* Milne-Edwards.
39. *Harpes acuminatus* Lm.
40. *Calymmene tuberculata* Brünnich.
41. *tuberculosa* Dalman.
42. *spectabilis* Ang.
43. *lævis* Lm.
44. *frontosa* Lm.
45. *intermedia* Lm.
46. *excavata* Lm.
47. *papillata* Lm.
48. *Homalonotus Knigthi* König.
49. *Phaëtonides Stokesi* Murch.
50. *rugulosus* Lm.
51. *longifrons* Lm.
52. *Cyphaspis elegantula* Ang.
53. *punctillosa* Lm.
54. *Proetus concinnus* Dalman.
55. *obconicus* Lm.
56. *distans* Lm.
57. *acutus* Lm.
58. *conspersus* Ang.
59. *signatus* Lm.
60. *granulatus* Lm.
61. *tuberculatus* Lm.
62. *Illænus (Bumastus) Barriensis* Murch.
63. *Holmi* Lm.
64. *sulcatus* Lm.
65. *Bronteus platyactin* Ang.
66. *Marklini* Ang.
67. *polyactin* Ang.
68. *irradians* Lm.
69. *umbonatus* Lm.
70. *crebristriatus* Lm.

Merostoma.

1. *Eurypterus Fischeri* Eichwald.
2. *n. sp.*
3. *Pterygotus Osiliensis* Fr. Schmidt.

Phyllocarida.

- 1—2. *Ceratiocaris* sp. indet.

Ostracoda.

1. *Cythere* sp.
2. *Thlipsura* sp. n.
3. *Entomis* (Elpe) *reniformis* Kolmodin.
4. *Angelini* R. Jones.
5. *Cytherellina* *siliqua* R. Jones.
6. *Aechmina* sp. n.
7. sp. n.
- 8—9. A new genus, somewhat allied to the next preceding, but with two small and short hornlike protuberances at the dorsal side, one on each end.
10. *Leperditia* *Schmidtii* Kolm.
11. *baltica* His. p. p.
12. *phaseolus* His.
13. *grandis* Schrenk.
14. *nitens* Kolm.
15. *tuberculata* Kolm.
16. *Barbotanæ* Schm. aff.
17. *minuta* Eichw.?
18. n. sp.
19. *Primitia* *concinna* R. Jones.
20. *bisulcata* Kolm.
- 21—24. novæ species.
25. *Beyrichia* *tuberculata* Boll.
26. *Klödeni* M'Coy.
27. var. *antiquata* R. Jones.
28. var. *torosa* R. J.
29. *Jonesi* Boll.
30. *Buchiana* R. J.
31. *Mac Coyana* R. J.
32. *clavata* Kolm.
33. *grandis* Kolm.
34. *Salteriana* R. J.
35. *Wilkensiana* R. J.

Cirrhipeidia.

Turrilepas *Wrightianus* L. de Koninck.

ANNELIDA.

Described by Mr G. J. Hinde in the »Bihang till Sv. Vetenskaps-Akademiens Handlingar Bd 7, 1883».

1. *Eunicites* *simplex* Hinde.
2. sp.
3. *cristatus* Hinde.
4. *hebes* H.
5. *contractus* H.
6. *serrula* H.

7. *Eunicites coronatus* H.
8. var. a.
9. b.
10. c.
11. *pusillus* H.
12. *Ænonites aspersus* H.
13. *major* H.
14. *naviformis* H.
15. *curvidens* H.
16. *parvulus* H.
17. *radula* H.
18. var. *cristula* H.
19. *securis* H.
20. var. *basalis* H.
21. ? *spiniger* H.
22. *Arabellites hamatus* H.
23. *fastigiatus* H.
24. *contractus* H.
25. *spicatus* H.
26. *anglicus* H.
27. *arcuatus* H.
28. *angustus* H.
29. *concinus* H.
30. *ferox* H.
31. var. a.
32. b.
33. c.
34. *uncinatus* H.
35. *Lumbriconereites obliquus* H
36. *perdentatus* H.
37. *spatiosus* H.
38. *falciformis* var. a. H.
39. b.
40. c.
41. d.
42. *Spirorbis Lewisi* Sow.
43. n. sp. (very large.)
44. *Cornulites serpularius* Schlotheim.
45. *Tentaculites anulatus* Schloth.

Serpula lituus of Hisinger, not of Schlotheim, the type specimen of which belongs to the Museum of the College of Wisby, is derived from Cretaceous strata, probably from Scania.

MOLLUSCA.

Cephalopoda.

1. *Trochoceras* (*Inachus* His.) *costatum* His. p. p.
- 2—7. sp. novæ.

8. *Ophidioceras reticulatum* Ang. in *Fragmenta Silurica*.
9. n. sp.
10. *Phragmoceras?* *complanatum* His.
11. *Angelini* Barr.
12. n. sp.
- 13—17. *Gomphoceras* species novæ vel indeterminatæ.
18. *Ascoceras* *Buchi* Barr. aff.
- 19—22. novæ species.
- 23—25. *Cyrtoceras* indet.
26. *Orthoceras columnare* Marklin.
27. *intermedium* Markl.
28. *Sjögreni* Barr.
29. *imbricatum* Wahl.
30. *pseudo-imbricatum* Barr.
31. *annulatum* Sow.
32. *Gotlandicum* Boll.
33. *temerum* Barr.
34. *refragans* Barr.
35. *ornatum* Boll.
36. *Hisingeri* Boll.
37. *verticillatum* Hagenow.
38. *tessellatum* Ang.
39. *angulatum* Wahl.
40. *Lindströmi* Barr.
41. *Lovéni* Barr.
42. *asserculatum* Ang.
43. *striatulum* Boll.
44. *Hagenowi* Boll.
45. *cochleatum* Schloth.
46. *nummularium* Sow.?
47. *lamellatum* Ang.
48. *gregarium* Sow.
- 49—67. species novæ et indetermin.

Pteropoda.

1. *Conularia cancellata* Sandb.
2. *monile* Lm.
3. *lævis* Lm.
4. *bilineata* Lm.
5. *aspersa* Lm.
- 6—7. n. sp.

Gastropoda.

1. *Chelodes Bergmani* Dav. & King.
2. *Gotlandicus* Lm.
3. *Tryblidium reticulatum* Lm.
4. *unguis* Lm.
5. *radiatum* Lm.

6. *Palæacmæa solarium* Lm.
7. *Platyceras cornutum* His.
8. *var. loricatum* Lm.
9. *prototypum* Sow.
10. *disciforme* Lm.
11. *enorme* Lm.
12. *cyathinum* Lm.
13. *Bellerophon sphæra* Lm.
14. *fasciatus* Lm.
15. *globulus* Lm.
16. *tænia* Lm.
17. *fastigiatus* Lm.
18. *tubulosus* Lm.
19. *squamosus* Lm.
20. *Eiseni* Lm.
21. *elegantulus* Lm.
22. *latevittatus* Lm.
23. *gemma* Lm.
24. *pilula* Lm.
25. *trilobatus* Sow.
26. *Cyrtolites lamellifer* Lm.
27. *pharetra* Lm.
28. *arrosus* Lm.
29. *obliquus* Lm.
30. *euryomphalus* Lm.
31. *discus* Lm.
32. *orbiculus* Lm.
33. *Tremanotus dilatatus* Sow. (*T. longitudinalis* Lm.).
34. *compressus* Lm.
35. *Pleurotomaria scutulata* Lm.
36. *gradata* Lm.
37. *Linnarsoni* Lm.
38. *voluta* Lm.
39. *claustrata* Lm.
40. *glandiformis* Lm.
41. *biformis* Lm.
42. *latizonata* Lm.
43. *Hindei* Lm.
44. *Holmi* Lm.
45. *Wisbyensis* Lm.
46. *Lloydi* Sow.
47. *dolium* Lm.
48. *laqueata* Lm.
49. *tubulosa* Lm.
50. *robusta* Lm.
51. *var. lævissima* Lm.
52. *elliptica* His.
53. *bicineta* Hall.
54. *qualteriata* Schlot.

- 55. *Pleurotomaria valida* Lm.
- 56. *Othemensis* Lm.
- 57. *comata* Lm.
- 58. *æquilatera* Wahlenb.
- 59. *labrosa* Hall.
- 60. *limata* Lm.
- 61. *replicata* Lm.
- 62. *alata* Wahlenb.
- 63. var. *subcarinata* Lm.
- 64. var. *opposita* Lm.
- 65. *prætexta* Lm.
- 66. *togata* Lm.
- 67. *frenata* Lm.
- 68. *undulans* Lm.
- 69. *Marklini* Lm.
- 70. *cirrhusa* Lm.
- 71. *planorbis* His.
- 72. *helicina* Lm.
- 73. *exquisita* Lm.
- 74. *Murchisonia cingulata* His.
- 75. *cava* Lm.
- 76. *moniliformis* Lm.
- 77. *obtusangula* Lm.
- 78. *subplicata* Lm.
- 79. *compressa* Lm.
- 80. *attenuata* His.
- 81. *crispa* Lm.
- 82. *munda* Lm.
- 83. *tortuosa* Lm.
- 84. *imbricata* Lm.
- 85. *cancellata* Lm.
- 86. *cochleata* Lm.
- 87. *deflexa* Lm.
- 88. *paradoxa* Lm.
- 89. *Euomphalus Gotlandicus* Lm.
- 90. *triquetrus* Lm.
- 91. *tuba* Lm.
- 92. *præcursor* Lm.
- 93. *Walmstedti* Lm.
- 94. *Loxonema sinuosum* Sow.
- 95. *attenuatum* Lm.
- 96. *intumescens* Lm.
- 97. *fasciatum* Lm.
- 98. *strangulatum* Lm.
- 99. *Trochus Gotlandicus* Lm.
- 100. *fulminatus* Lm.
- 101. *mollis* Lm.
- 102. *Stuxbergi* Lm.
- 103. *undulans* Lm.

104. *Trochus profundus* Lm.
105. *cavus* Lm.
106. *Lundgreni* Lm.
107. *Kolmodini* Lm.
108. *Dalli* Lm.
109. *Wisbyensis* Lm.
110. *lamellosus* Lm.
111. *incisus* Lm.
112. *gyrans* Lm.
113. *densestriatus* Lm.
114. *astraliiformis* Lm.
115. *Pycnomphalus obesus* Lm.
116. *acutus* Lm.
117. *trochiformis* Lm.
118. *Oriostoma discors* Sow.
119. var. *rugosum* Sow.
120. *contrarium* Lm.
121. *globosum* Schloth.
122. var. *sculptum* Sow.
123. *coronatum* Lm.
124. *acutum* Lm.
125. *Wisbyense* Lm.
126. *angulifer* Lm.
127. *Roemeri* Lm.
128. *helicinum* Lm.
129. *alatum* Lm.
130. *angulatum* Wahlenb.
131. *lineatum* Lm.
132. *nitidissimum* Lm.
133. *dispar* Lm.
134. *Cyclonema delicatulum* Lm.
135. *apicatum* Lm.
136. *cancellatum* Lm.
137. *distans* Lm.
138. *striatum* His.
139. *zonatum* Lm.
140. *adstrictum* Lm.
141. *carinatum* Sow.
142. *nodulosum* Lm.
143. *tenuissimum* Lm.
144. *giganteum* Lm.
145. *perversum* Lm.
146. (*Trochonema*) *turritum* Lm.
147. *Eunema muricatum* Lm.
148. *Craspedostoma spinulosum* Lm.
149. *elegantulum* Lm.
150. *elegantulum* var. *brevispira* Lm.
151. *filistriatum* Lm.
152. *involutum* Lm.

153. *Craspedostoma glabrum* Lm.
154. *Autodetus calyptratus* Schrenk.
155. *Holopea nux* Lm.
156. *transversa* Lm.
157. *perforata* Lm.
158. *nitidissima* Lm.
159. *applanata* Lm.
160. *Elasmonema obesum* Lm (formerly *Callonema*, but this is preoccupied and Fischer changed it.).
161. *scalariforme* Lm.
162. *Holopella teres* Lm.
163. *regularis* Lm.
164. *minuta* Lm
165. *Macrochilina cancellata* Lm.
166. *bulimina* Lm.
167. *fenestrata* Lm.
168. *Subulites ventricosus* Hall.
169. var. *curvus* Lm.
170. *attenuatus* Lm.
171. *Euchrysalis lineolata* Lm.
172. *Onychochilus physa* Lm.
173. *reticulatum* Lm.
174. *cochleatum* Lm.

Some more new forms have been received since the work on the Silurian Gastropoda of Gotland was published and the total of the species may thus now amount to 180.

Lamellibranchiata.

1. *Aviculopecten Danbyi* Mac Coy.
2. *reticulatus* His.
3. *Pterinea retroflexa* Wahlenberg.
4. *ampliata* Phillips.
5. *baltica* Ferd. Roem.
- 6—10. novæ species.
11. *Cypricardinia mira* Barr.
- 12—14. n. sp.
- 15—16. *Cardiola*, two indetermin. sp.
17. *Ambonychia striata* Sow.
18. *punctata* Lm in *Fragmenta Silurica*.
- 19—20. n. sp.
21. *Mytilarca oviformis* Conrad.
- 22—23. n. sp.
24. *Cyrtodonta sinuata* Murch. & Verneuil.
25. *Ctenodonta sulcata* His.
26. *pinguis* Lm.
27. *crispula* Lm.
- 28—31. n. sp.
32. *Ptychodesma Gotlandicum* His.
- 33—34. *Orthonota* sp.

- 35. *Conocardium pygmæum* His.
- 36—38. *Conocardium* n. sp.
- 39. *Lucina prisca* His. (*Ilionia* Bill. 1875, *Platymermis* Noetling 1882.)
- 40. *Hisingeri* Murch. & Vern.
- 41. *Goniophora cymbæformis* Sow.
- 42—43. n. sp.
- 44. *Megalomus Gotlandicus* Lm.
- 45. *Grammysia cingulata* His.
- 46. *exarata* Lm.
- 47. *Edmondia?* *ventricosa* Lm.

MOLLUSCOIDEA.

Brachiopoda.

- 1. *Lingula Lewisi* Sow.
- 2. *striata* Sow.? and several new species.
- 3. *Dinobolus Davidsoni* Salter.
- 4. *transversus* Salter.
- 5. *Monomerella Walmstedti* Davidson & King.
- 6. *Lindströmi* D. & K.
- 7. *Trimerella Lindströmi* Dall.
- 8. *acuminata* Billings.
- 9. *Wisbyensis* D. & K.
- 10. A new genus and new sp. of the family of the *Trimerellidæ* from the oolite of Bursvik and the limestone of Klinteberg.
- 11. *Discina Forbesi* Dav.
- 12. *rugata* Sow.
- 13. *pilidium* Lm
- 14. *Verneuili* Dav.
- 15. *striata* Sow.
- 16. *Crania siluriana* Dav.
- 17. *Grayi* Dav.
- 18. *Pholidops implicata* Sow.
- 19. *Waldheimia bicarinata* Ang.
- 20. *Spirifera plicatella* L.
- 21. *var. globosa* Salter.
- 22. *var. interlineata* Sow.
- 23. *Marklini* Vern.
- 24. *exporrecta* Wahl.
- 25. *Schmidtii* Lm.
- 26. *var. elongata* Lm.
- 27. *striolata* Lm.
- 28. *sulcata* His.
- 29. *elevata* Dalm.
- 30. *crispa* His.
- 31. *Athyris ? læviuscula* Sow.
- 32. *Whitfieldia tumida* Dalm.
- 33. *Merista ? circe* Barr. ?

34. *Dayia navicula* Sow.
35. *Nucleospira pisum* Sow.
36. *Glassia obovata* Sow.
37. *compressa* Sow.
38. *Retzia Salteri* Dav.
39. var. *Bouchardi* Dav.
40. var. *Baylei* Dav.
41. *Meristina didyma* Dalm.
42. *nitida* Hall.
43. *Atrypa reticularis* L.
44. var. *squamosa* Lovén in Museo.
45. *concinna* Lm.
46. *marginalis* Dalm.
47. *imbricata* Sow.
48. var. *lamellosa* Lovén.
49. *cordata* Lm.
50. ? *prunum* Dalm.
51. ? *phoca* Salter.
52. ? *pusilla* His.
53. ? *Angelini* Lm.
54. *Barrandei* Dav.
55. *Eichwaldia Capewelli* Dav.
56. *Streptis Grayi* Dav.
57. *Porambonites* sp. indet.
58. *Pentamerus conchidium* L.
59. *sculptus* Walmstedt.
60. *tenuistriatus* Walmst.
61. *oblongus* Sow.
62. *galeatus* Dalm.
63. *linguiferus* Sow.
64. *sphæra* Lm. (= *P. rotundus* Lm. not Sow.).
65. *Stricklandinia lirata* Sow.
66. *Rhynchonella borealis* Schloth.
67. *diodonta* Dalm.
68. *cuneata* Dalm.
69. *bidentata* Dalm.
70. *nucula* Sow.
71. *Lewisi* Dav.
72. *Stricklandi* Sow.
73. *deflexa* Sow.
74. *Glassiana* Dav.
75. *sphærica* Sow.
76. *Wilsoni* Sow.
77. *Thisbæ* Barr. aff.
78. ? *exigua* Lm.
79. *Eatonia* sp. n.
80. *Skenidium* (*Orthis*) *Lewisi* Dav.
81. *acutum* Lm.
82. *Orthis elegantula* Dalm.

83. *Orthis Wisbyensis* Lm.
84. *basalis* Dalm.
85. *tubulata* Lm.
86. *canaliculata* Lm.
87. *crassa* Lm.
88. *hybrida* Sow.
89. *Loveni* Lm.
90. *biloba* L.
91. var. *Verneuiliana* Lm.
92. *punctata* Vern.
93. *Davidsoni* Vern.
94. *rustica* Sow.
95. var. *Osiliensis* Fr. Schmidt.
96. *Bouchardi* Dav.
97. *biforata* Vern.
98. *Streptorhynchus nasutum* Lm.
99. *Strophomena rhomboidalis* Wahlenb.
100. *rugata* Lm.
101. *Loveni* Vern.
102. *antiquata* Dav.
103. *scabrosa* Dav.
104. *funiculata* McCoy.
105. *euglypha* Dalm.
106. *imbrex* Pand. var.
107. *Walmstedti* Lm.
108. *filosa* Sow.
109. *pecten* L.
110. *crispa* Lm.
111. *serrulata* Lm.
112. *polygramma* Dalm. in Museo.
113. *d'Orbignyi* Dav.
114. *Leptæna transversalis* Dalm.
115. *segmentum* Ang.
116. *margaritacea* Ang.
117. *Chonetes striatella* Dalm.
118. *cingulata* Lm.

There is moreover so much new material to work out, that it is by no means exaggerated to assume the total amount of the Brachiopoda to be 150 species, but rather exceeding that number.

Bryozoa.

1. *Monticulipora fibrosa* Goldf.
2. *petropolitana* Pander var.
3. *ostiolata* Hall.
4. *Fletcheri* Edw. & Haime.
5. ? *pulchella* E. H. ?
6. *Chaetetes Bowerbankii* E. H.
7. »*Trematopora*» *solida* Hall.
8. »*Discopora*» *squamata* Lonsdale.

9. *Cladopora repens* L.
10. *sparsa* Hall.
11. *seriatoporoides* E. H.
12. *Cœnites juniperinus* Eichw.
13. *orientalis* Eichw.
14. *linearis* E. H.
15. *Ptilodictya lanceolata* Goldfuss.
16. *tessellata* His.
17. *Retepora reticulata* His.

ECHINODERMATA.

Echinoidea.

Parts of the dental apparatus of an Echinoidean have been found in several places.

Asteroidea.

1. *Palasterina antiqua* His.
2. An Asteroid of another genus has been found in the crinoidal limestone of Follingbo.
3. An Ophiuridean has recently been found in the *Pterygotus-strata* near Wisby.

Crinoidea.

I. Crinoidea propria.

The Crinoids have been arranged according to the »Revision of the Palæocrinidæ by Wachsmuth and Springer.«

1. *Ichthyocrinus Gotlandicus* Wachsmuth & Springer.
2. *intermedius* Angelin.
3. *pyriformis* Phill.
4. *Homalocrinus parabasalis* Ang.
5. *Anisocrinus interradiatus* Ang.
6. *Angelini* W. & S.
7. *Calpiocrinus fimbriatus* Ang.
8. *heterodactylus* Ang.
9. *humilis* Ang.
10. *ovatus* Ang.
11. (*Clidochirus*) *pyrum* Ang.
12. *Lecanocrinus Billingsi* Ang.
13. *Pycnosaccus costatus* Ang.
14. *nodulosus* Ang.
15. *serobiculatus* His.
16. *Gnorimocrinus Austini* Ang.
17. *distensus* Ang.
18. *expansus* Ang.
19. *interbrachiatus* Ang.

20. *Gnorimocrinus Lovéni* W. & S.
21. *oblongatus* Ang.
22. *ovalis* Ang.
23. *punctatus* Ang.
24. *rigens* Ang.
25. *Salteri* Ang.
26. *tubuliferus* Ang.
27. *Lithocrinus divaricatus* Ang.
28. *Milleri* Ang.
29. *obesus* Ang.
30. *robustus* Ang.
31. *Cyathocrinus acinotubus* Ang.
32. *alutaceus* Ang.
33. *distensus* Ang.
34. *glaber* Ang.
35. *incurvatus* Ang.
36. *lævis* Ang.
37. *longimanus* Ang.
38. *monilifer* Ang.
39. *muticus* Ang.
40. *striolatus* Ang.
41. *ramosus* Ang.
42. *zonatus* Ang.
43. *Gissocrinus arthriticus* Phill.
44. *elegans* Ang.
45. *macrodactylus* Ang.
46. *nudus* Ang.
47. *punctuosus* Ang.
48. *tubulatus* Ang.
49. *umbilicatus* Ang.
50. *Arachnoecrinus?* *granulatus* Ang.
51. *Ophiocrinus crotalurus* Ang.
52. *Botryoecrinus ramosissimus* Ang.
53. *corallum* Ang.
54. *Sicyocrinus cucurbitaceus* Ang.
55. *Euspiroecrinus spiralis* Ang.
56. *Cyrtidocrinus facietatus* Ang.
57. *Myelodactylus gracilis* Ang.
58. *heterocrinus* Ang.
59. ? *interradialis* Ang.
60. *Cordylloecrinus comtus* Ang.
61. *Marsupioecrinus depressus* Ang.
62. *dubius* Ang.
63. *pulcher* Ang.
64. *radiatus* Ang.
65. *rugulosus* Ang.
66. *Briarocrinus inflatus* Ang.
67. *angustus* Ang.
68. *Stelidiocrinus capitulum* Ang.

69. *Stelidiocrinus longimanus* Ang.
70. *laevis* Ang.
71. *ovalis* Ang.
72. *Patelliocrinus chiasmactylus* Ang.
73. *interradiatus* Ang.
74. *leptodactylus* Ang.
75. *pachydactylus* Ang.
76. *pinnulatus* Ang.
77. *plumulosus* Ang.
78. *punctuosus* Ang.
79. ? *duplicatus* Ang.
80. ? *fulminatus* Ang.
81. *Carpocrinus affinis* Ang.
82. *anulatus* Ang.
83. *cariosulus* Ang.
84. *comtus* Ang.
85. *decadactylus* Ang.
86. *elongatulus* Ang.
87. *fartus* Ang.
88. *grandis* Ang.
89. *granulatus* Ang.
90. *laevis* Ang.
91. *longimanus* Ang.
92. *ornatissimus* Ang.
93. *ornatus* Ang.
94. *pinnulatus* Ang.
95. *pulchellus* Ang.
96. *robustus* Ang.
97. *simplex* Phill.
98. *tenuis* Ang.
99. *umbonatus* Ang.
100. *Desmidocrinus heterodactylus* Ang.
101. *macroactylus* Ang.
102. *pentadactylus* Ang.
103. *tridactylus* Ang.
104. *Mariacrinus angustatus* Ang.
105. *Melocrinus*? *granulatus* Ang.
106. *rigidus* Ang.
107. *spectabilis* Ang.
108. *Volborthi* Ang.
109. *Periechocrinus anulatus* Ang.
110. *brevimanus* Ang.
111. *Gotlandicus* Ang.
112. *grandiscutatus* Ang.
113. *interradiatus* Ang.
114. *Lindströmi* W. & S
115. *longidigitatus* Ang
116. *longimanus* Ang.
117. *major* Ang.

118. *Periechocrinus medius* Ang.
119. *minor* W. & S.
120. *multicostatus* Ang.
121. *nubilus* Ang.
122. *quinquangularis* Ang.
123. ? *radiatus* Ang.
124. *Schultzianus* Ang.
125. *undulatus* Ang.
126. *Abacocrinus Cappelleri* Ang.
127. *medius* Ang.
128. *tessellatus* Ang.
129. *tesseracontadactylus* Goldf.
130. *Eucrinus interradians* Ang.
131. *laevis* Ang.
132. *quinquangularis* Ang.
133. *ornatus* Ang.
134. *speciosus* Ang.
135. *Sagenocrinus expansus* Phill.
136. *Anthemocrinus minor* Ang.
137. *venustus* Ang.
138. *Callicrinus costatus* His.
139. var.
140. *Koninckianus* Ang.
141. *Beyrichianus* Ang.
142. *Römerianus* Ang.
143. *Murchisonianus* Ang.
144. *Sedgwickianus* Ang.
145. *minor* Ang.
146. *diadema* Ang.
147. *Eucalyptocrinus speciosus* Ang.
148. *excellentissimus* Ang.
149. *elegantissimus* Ang.
150. *ovalis* Ang.
151. *plebejus* Ang.
152. *rigens* Ang.
153. *Hypanthocrinus regularis* His.
154. *minor* Ang.
155. *granulatus* Lewis.
156. *Corymbocrinus corolliferus* Ang.
157. *grandis* Ang.
158. *grandistellatus* Ang.
159. *laevis* Ang.
160. *Panderi* Ang.
161. *polydactylus* Ang.
162. *Barrandeocrinus sceptrum* Ang.
163. *Chirocrinus Gotlandicus* Ang.
164. *Pisocrinus flagellifer* Ang.
165. *ollula* Ang.
166. *pilula* De Kon.

167. *Pisocrinus pocillum* Ang.
168. *Enallocrinus scriptus* His.
169. *assulosus* Ang.
170. *Crotalocrinus rugosus* Miller.
171. *pulcher* His.
172. *superbus* Ang.
173. *Polypeltes granulatus* Ang.
174. *Leptocrinus raridigitatus* Ang.

II. Cystidea.

1. *Lepadocrinus Gebhardi* Conr.
2. *Gomphocystis Gotlandica* Ang.
3. *Ateleocystis Huxleyi* Billings.
4. *Cyclocystoides* sp.

COELENTERATA.

Hydromedusæ.

Labechia conferta Edw. & Haime.

Anthozoa.

1. *Calostylis denticulata* Kjerulf.
2. *Helminthidium mirum* Lm.
3. *Favosites Forbesi* Edw. H.
4. *Gotlandicus* L.
5. *Fougti* E. H.
6. *cribrosus* Eichw.
7. *asper* D'Orb.
8. *Hisingeri* E. H.
9. *Lonsdalei* D'Orb.
10. *multiplus* Lonsd.
11. *clausus* Lm. (not Nicholson).
12. *Labechei* E. H.
13. *Rœmeria* sp.
- 14—16. *Striatopora* sp. novæ.
17. *Pachypora lamellicornis* Lm.
18. *Nodulipora acuminata* Lm.
19. *Heliolites inordinatus* Lonsd.
20. *decipiens* Mac Coy.
21. *interstinctus* L.
22. *Grayi* E. H.
23. *Plasmopora petaliformis* Lonsd.
24. *scita* E. H.
25. *tubulata* Lonsd.

26. *Halysites catenularius* L.
27. *escharoides* Lamarek.
28. *Thecia Swinderenana* Goldf.
29. *Fletcheria tubifera* E. H.
30. *Syringopora strues* Wahlenb.
31. *fascicularis* L.
32. *filiformis* Goldf.
33. *Columnaria Gotlandica* E. H.
34. *Stauria favosa* L.
35. *Lindströmia Dalmani* E. H.
36. ? *siluriensis* Mac Coy.
37. *Zaphrentis conulus* Lm.
38. *vortex* Lm.
39. *Cyathophyllum mitratum* His.
40. *angustum* Lonsd.
41. *articulatum* His.
42. *calceoloides* Lm.
43. *Dinophyllum involutum* Lm.
44. *Ptychophyllum truncatum* L.
45. *patellatum* Schlotheim.
46. *stellare* L.
47. *Arachnophyllum typus* Mac Coy.
48. *diffuens* E. H.
49. *Acervularia luxurians* Eichw. ?
50. *truncata* Wahlenb. non L.
51. *ananas* L.
52. *Diphyphyllum rugosum* E. H.
53. *Palæocyclus porpita* L.
54. *Polyorophe glabra* Lm.
55. *Syringophyllum organum* L.
56. *Pholidophyllum tubulatum* Schloth.
57. *Chonophyllum perfoliatum* E. H.
58. *Omphyma turbinata* L.
59. *sub-turbinata* d'Orb.
60. *Murchisoni* Edw. H.
61. *Goniophyllum pyramidale* His.
62. *Rhizophyllum Gotlandicum* F. Röemer.
63. *elongatum* Lm.
64. *Aræopoma prismaticum* Lm.
65. *Rhytidophyllum pusillum* Lm.
66. *Cystiphyllum cylindricum* Lonsd.
67. *siluriense* Lonsd.
68. *Actinocystis Grayi* E. H.

Graptolithæ.

1. *Monograptus priodon* Bronn.
2. *colonus* Barr.
3. *convolutus*, var. *spiralis* Geinitz.

4. Retiolites Geinitzianus Barr.

5—6. Dictyonema sp. novæ.

Spongiæ.

1. Hindea fibrosa Roem. p. p.
2. Aulocopium diadema Ferd. Roemer.
3. variable Martin.
5. ? hemisphæricum F. Roem.
5. cylindricum F. Roem.
6. Astylospongia præmorsa Goldf.
7. Gotlandica Schlüter.
8. castanea F. Roem.
9. Roemeri Hinde.
10. inciso-lobata F. Roem.
11. Astræospongia meniscus F. Roem.
12. patina F. Roem.
13. Ischadites Königi Murch.
14. Lindströmi Hinde.

Incertæ sedis.

Cænostroma discoideum Lonsdale.

Idiostroma sp.

Stromatopora sp.

Recapitulation.

	Species
Scorpionida	1
Crustacea	112
Annelida	50
Cephalopoda..... at least	100
Pteropoda	7
Gastropoda	180
Lamellibranchiata..... about	80
Brachiopoda.....	150
Bryozoa..... about	50
Asteroidea et Echinoidea.....	4
Crinoidea	180
Anthozoa	110
Graptolithæ	6
Spongiæ..... about	20
Incertæ sedis.....	10
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Total 1,050 species.	

Stockholm, Sept. 10th. 1885.

G. Lindström.



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